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The invention claimed is:

1. A method comprising:

computing a bandwidth constrained frame rate from a frame size of an imager and a bandwidth of a link; and

determining whether the computed bandwidth constrained frame rate is smaller than a requested rate of video frames from the imager, and if so, determining an integration time of pixels of the imager from the computed bandwidth constrained frame rate.

- 2. The method of claim 1, wherein the integration time is determined to result in the imager outputting video frames at a rate commensurate with the bandwidth constrained frame rate.
- 3. The method of claim 1, wherein the bandwidth constrained frame rate is computed also from a compression ratio of the imager.
- 4. The method of claim 1, wherein the integration time is determined also from a numerical inverse of the computed bandwidth constrained frame rate.
- 5. The method of claim 1, further comprising:

 determining a gain of the imager from the determined integration time.
- 6. An article comprising: a storage medium, the storage medium having stored thereon instructions, which, when executed by a computing device, result in:

computing a bandwidth constrained frame rate from a frame size of a video camera and a bandwidth of a link; and

determining whether the computed bandwidth constrained frame rate is smaller than a requested rate of video frames from the camera, and if so, determining an integration time of pixels of the camera from the computed bandwidth constrained frame rate.

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7. The article of claim 6, wherein when the instructions are executed, the integration time is determined to result in the camera outputting video frames at a rate commensurate with the bandwidth constrained frame rate.

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- 8. The article of claim 6, wherein when the instructions are executed, the bandwidth constrained frame rate is computed also from a compression ratio of the video camera.
- 9. The article of claim 6, wherein when the instructions are executed, further result in: computing a numerical inverse of the computed bandwidth constrained frame rate.
- 10. The article of claim 6, wherein when the instructions are executed, further result in: determining a gain of the camera from the determined integration time.
- 11. An image processing station for coupling to an imager by a communication link, the image processing station comprising: a computer readable storage medium containing a program for outputting through the link at least one operating parameter of the imager, the program comprising

software for computing a bandwidth constrained frame rate from a frame size of the imager and a bandwidth of the link; and

software for determining whether the computed bandwidth constrained frame rate is smaller than a requested rate of video frames from the imager, and if so, for determining an integration time of pixels of the imager from the computed bandwidth constrained frame rate.

- 12. The image processing station of claim 11, wherein the software for determining the integration time determines an integration time to result in the imager outputting video frames at a rate commensurate with the computed bandwidth constrained frame rate.
- 13. The image processing station of claim 11, wherein the software for computing the bandwidth constrained frame rate also uses a compression ratio of the video imager.
 - 14. The image processing station of claim 11, wherein the software for determining an integration time computes a numerical inverse of the computed bandwidth constrained frame rate.
 - 15. The image processing station of claim 14, wherein the program further comprises: software for determining a gain of the imager from the determined integration time.

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